No-Code Admin Panel

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ABSTRACT

The revolution of No-Code has brought about simplicity when it comes to developing mobile apps, websites & databases. We have created a" No-code Platform for creating admin panel" which helps user to create admin panel without any need of coding it helps user to manage data thoroughly our platform also saves the time of the admin to make the admin panel for the management of the persons database. The platform also provides variety of templates to choose. Templates helps Admin to manage data in the format he wants it to be. The platform makes the process of making the admin panel seamless and it's a time saver. The process of making the admin panel is very simple once the user is done with making his database all he need to do is signup to our portal and enter his database credentials after that the user has to choose the template as per his choice and within no time his admin panel will be ready after the admin panel is ready the user will be provided with code in the form .zip file after that user can continue to customize his data as per his need.

1. INTRODUCTION

In this rapidly growing world of technology, time is money and the digital world is offering a lot. To bring a change in this world developers are coming up with "No-Code Platforms". We have decided to contribute to this by making a "No-code Platform for creating admin panels". This platform will not only save time but also offer a lot of ease. Now coming to the paper have decided to make the following are the benefits that our project will offer,

- The admin panel is included with your build and can be found on your App Dashboard.
- It exists in order to give you control over your app once it's made.

- Start by creating your backend data models, admin, and APIs, and adding them to the admin panel.
- You can do this all yourself, without a developer.
- You can build the entire backend in just a few minutes. The only thing you need to have is the database ready with you.
- Once you've uploaded your models, you're ready to click deploy, then head over to the Admin Panel for the app. Remember, credentials get emailed to the app creator, but you can change them once you go into the app admin panel.
- You have the flexibility to customize the admin panel on your own as the code will be sent to you in the form of a .zip file

The paper i.e. No code platform is basically one of the trending concepts which are on boom in the current market. People are heading towards more and more no-code platforms and our proposed work is one of them it helps the users to create the admin panel in a very short time period of time which is a just few clicks of work, which makes the work very easy for the person in day to day life it not only creates ease but it's also a time saver for everyone in this booming it industry now moving forward to the process how the system is going to work here is the simplified description of the working of the system. The user has to create the database as per his requirement once the database is created the user has to give its access to us on our portal. There is no compulsion that the database should be in production we can make the structure in a local database and the admin can customize it as he wants to as per his need. SQL should be working in the database. Once the database is connected with our portal the structure of the tables present in the database will be fetched. The Fetched data will be read and the admin panel will be made with basic functionality CRUD (create, read, update, delete) which is the basic requirement of the admin panel. The admin panel will be made using the Django framework. After the admin panel is created the code will be converted into a .zip file and will be forwarded to the user. The user can download the file and deploy it the way he wants to. Documentation related to the deployment will be provided to the user so that he can customize the panel as per is needed.

2. RELATED WORK

In the present scenario of No-code platforms, the only thing the user can do is customize his work that too in the certain limitations. There is no platform that offers complete customization as per the user's needs. So, in our platform, the user can customize the admin panel as he wants it to be. In

this present scenario hiring a developer is very expensive and despite being expensive it also takes a lot of time. This not only saves hiring costs but other costs associated with providing the necessary infrastructure, workspace & miscellaneous aspects.

A. Limitations of Existing System

1. Limited Customizations.
2. Incompatibility Issues.
3. Extensive Training required.
4. Lack of Security.

B. Limited Customizations

In the earlier days, Enterprise No-Code Platforms & other basic app development platforms were known for their lack of customization options. If a start-up or a developer avails a no-code builder that doesn't feature a whole lot of customizations then they'll have to invest more money just to get a decent no-code development platform.

C. Incompatibility Issues

New products, in this case, no-code platforms might not always come with a guarantee. While investing in these platforms is a good option, you might not always end up with the ideal platforms & products developed from them. In addition to that, if these products (apps/websites/databases) do not fit your business needs then this can lead to unsatisfactory experiences & losses.

D. Extensive Training Required

If designed properly, no and low code platforms can benefit a business's ability to innovate and improve their outcomes by fully leveraging non-technical expertise. However, many of these platforms 'capabilities are more limited than advertised, and ultimately require extensive developer resources when a business moves beyond very basic use cases.

E. Lack of Security

Security can be an issue when business users are building apps or automating workflows amongst different apps without any oversight or protocols around access. Though no and low code platforms, when properly used and designed, can be a way to avoid "shadow IT" that crops up when business users implement their own software solutions, it can also create a shadow IT of its own.

3. PROPOSED WORK

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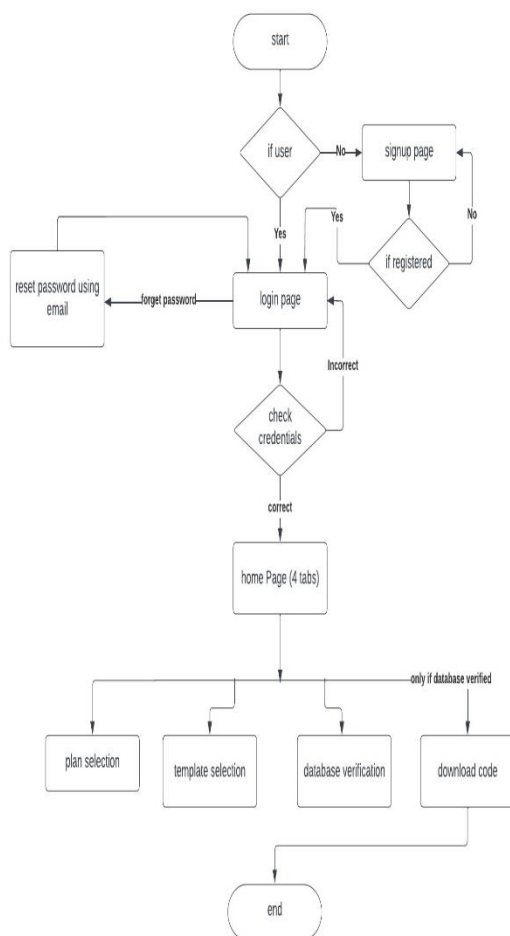
4. RESULT

Figure 2: Home Page
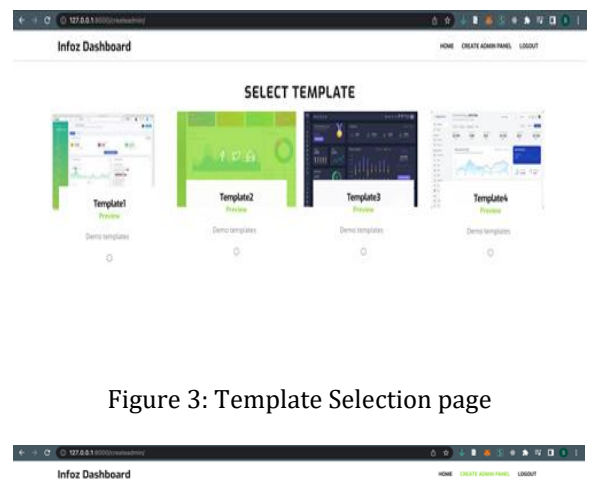
Figure 3: Template Selection page

Figure 4: Data Verification Page

Figure 1: Workflow of Proposed System
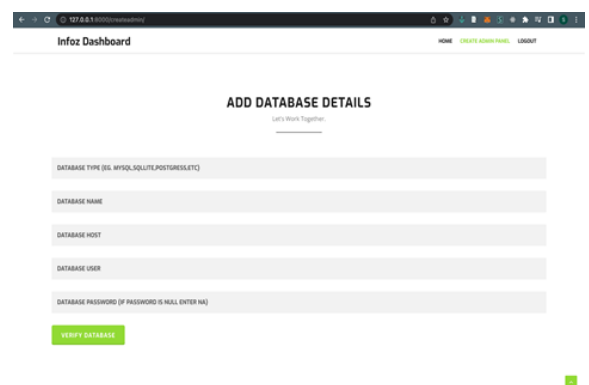
CONCLUSION

Our system provides ease in creating the admin panel which is very time-saving and cost-efficient both for the user and developers. It can also be very useful for tech companies as it will save their time and manpower. For users, it will create a lot and lots of customizations which will help them to manage their data in an organized manner.

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